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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

JUL 06 2004

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Applicant:	GANG LUO ET AL.	§	Group Art Unit:	2172
Serial No.:	09/842,991	§		
Filed:	April 26, 2001	§	Examiner:	Chongshan Chen
For:	METHOD AND APPARATUS FOR PERFORMING HASH JOIN	§	Atty. Dkt. No.:	NCR.0038US (9558)

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

REPLY TO OFFICE ACTION MAILED MAY 6, 2004

Dear Sir:

In response to the Office Action dated May 6, 2004, the applicants submit the following remarks regarding the above-identified application.

The claims have not been amended by this paper.

Remarks/Arguments begin on page 10 of this paper.

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Date of Deposit: July 6, 2004
I certify that this document and authorization to charge deposit account is being transmitted to the United States Patent and Trademark Office (Fax No. 703/872-9306) on the date indicated above.
<i>Sherry Tipton</i>
Sherry Tipton